CLAIMS.

A facial processing method comprising the steps of:
 receiving a two dimensional facial image; and
 combining the two dimensional facial image and a standard three dimensional facial
 image to create a three dimensional facial image.

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- 2. The facial processing method of claim 1, further comprising the step of creating the standard three dimensional facial image.
- 3. The facial processing method of claim 2, wherein the step of creating a standard three dimensional facial image includes the steps of:

receiving a plurality of three dimensional facial images; and
combining the plurality of three dimensional facial images to create the standard three
dimensional facial image.

- 4. The facial processing method of claim 1, wherein the combining step includes the steps of:
- combining the two dimensional facial image and standard three dimensional facial image

 to create a first intermediate three dimensional facial image;

rendering a first intermediate two dimensional facial image based upon the first intermediate three dimensional facial image;

comparing the first intermediate two dimensional facial image to the two dimensional facial image; and

modifying the first intermediate three dimensional facial image based upon results of the comparison step.

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- 5. The facial processing method of claim 4, wherein the combining step further includes the step of repeating the rendering, comparing and modifying steps a plurality of times.
- The facial processing method of claim 4, further comprising the steps of:
 adjusting a pose of the three dimensional facial image; and
 rendering a final two dimensional image from the adjusted three dimensional facial image.
- 7. The facial processing method of claim 4, further comprising the steps of:
 rendering a final two dimensional image from the three dimensional facial image according to a selected lighting.
 - 8. A facial identification method comprising the steps of: receiving a two dimensional facial image;
- creating a three dimensional facial image from the two dimensional facial image; adjusting a pose of the three dimensional facial image;

rendering an adjusted two dimensional facial image from the adjusted three dimensional facial image; and

comparing the rendered two dimensional facial image to at least one stored two dimensional facial image to determine a match.

- The facial identification method of claim 8, wherein the comparing step includes:
 comparing the rendered two dimensional image to a plurality of stored two dimensional facial images to determine a closest match.
 - 10. The facial identification method of claim 8, wherein the step of creating a three dimensional facial image includes the step of combining the two dimensional facial image and a standard three dimensional facial image to create a three dimensional facial image.
 - 11. The facial identification method of claim 10, further comprising the step of creating the standard three dimensional facial image.
- 15 12. The facial identification method of claim 11, wherein the step of creating the standard three dimensional facial image includes the steps of:

receiving a plurality of three dimensional facial images; and combining the plurality of three dimensional facial images to create the standard three dimensional facial image.

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13. A system for identifying in individual comprising:a camera for acquiring a two dimensional facial image;

means for creating a three dimensional facial image from the two dimensional facial image;

means for adjusting the three dimensional facial image;

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means for rendering a final two dimensional image from the adjusted three dimensional image; and

means for comparing the final two dimensional image to at least one stored two dimensional image to determine a match.

14. The system for identifying an individual according to claim 13, further comprising: a database of stored two dimensional images; and

wherein the means for comparing includes means for comparing the final two dimensional image to at least one stored two dimensional images.

- 15. The system for identifying an individual according to claim 14, wherein the means for comparing includes means for comparing the final two dimensional image to a plurality of stored two dimensional images in the database to determine a closest match.
- 16. The system for identifying an individual according to claim 13, wherein the means for20 adjusting includes means for changing a pose of the three dimensional facial image.

- 17. The system for identifying an individual according to claim 13, wherein the means for rendering includes means for rendering the final two dimensional facial image based upon a selected lighting.
- 5 18. The system for identifying an individual according to claim 13, wherein the means for creating a three dimensional facial image includes:

means for combining the two dimensional facial image with a standard three dimensional facial image to create an intermediate three dimensional facial image; and

means for rendering an intermediate two dimensional facial image from the intermediate

three dimensional facial image;

means for comparing the intermediate two dimensional facial image to the two dimensional facial image; and

means for adjusting the intermediate three dimensional facial image based upon results of the comparison of the intermediate two dimensional facial image to the two dimensional facial image.

19. A system for creating a three dimensional facial image from a two dimensional facial image comprising:

a memory storing a standard three dimensional facial image; and

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20 means for combining the two dimensional facial image and the standard three dimensional facial image to create the three dimensional facial image.

20. The system for creating a three dimensional facial image from a two dimensional facial image according to claim 19, wherein the means for combining includes:

means for combining the two dimensional facial image with a standard three dimensional facial image to create an intermediate three dimensional facial image; and

means for rendering an intermediate two dimensional facial image from the intermediate three dimensional facial image;

means for comparing the intermediate two dimensional facial image to the two dimensional facial image; and

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means for adjusting the intermediate three dimensional facial image based upon results of
the comparison of the intermediate two dimensional facial image to the two dimensional facial
image.